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St Joseph's School El Obour **Science Department**

5th Primary 1st term



Name:

Class:

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هذا العمل حصرى على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت **ومصيحة**

A.	Comp	lete	the	foll	owing	statements:

Unit One: Energy
Lesson (1): Light
™ ₩ ₩
A. Complete the following statements:
1)is a form of energy that can be seen and it's called
2) Light rays never travels inlines.
3) 2. Light reflects when it falls onsurface
4)andare
from the properties of light.
5)phenomena occurs when light passes through drops of rain
6) The object image that is formed through narrow holes is and
7) The nearer object to the light source has theshadow.
8) We can see objects around us when fall on them, then it
to reach our eyes
9) Light can easily transmit throughand materials.
9) Light can easily transmit throughand
materials don't allow light to pass through.
11) Cartoon andare examples ofmaterials.
'

21) Light bouncing when it falls on an object is called......

into seven spectrums during raining.

23) In the seven spectrum colour, the.....colour lies between the red colour and the yellow colour.

هذا العمل حصري على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت ووصوعو

C. Write the scientific

- The materials which you can see objects behind them clearly and in full details. [.....]
- The materials which allow some light to pass through and we can see objects through it less clearly. [......]
- 4) The materials that form a clear shadow with a sharp edge when light fall on them. [......]
- 5) The reflection of light on a piece of white paper in different directions. [......]
- 7) A structure used to separate the white light into seven spectrum colours. [......]
- 8) Seven colours are produced as a result of splitting the white light. [.....]
- 9) A phenomenon occurs in the sky after raining in a sunny day.

[.....]

10) The materials that from faint shadow when light falls on them.

[.....]

The main source of light on Earth. [......]

P.O.C	Regular reflection	irregular reflection
Definition		
example		

2+2-8

Lesson (2): Seeing coloured objects

A)	Comp	ete	the	following	statements:
				1000	

Lesson (2): Seeing coloured objects
A) Complete the following statements:
1) If the seven spectrum colours are mixed together, they produce
······································
2) The transparent colored body seems with the same color of
light
3) When the white light strikes a transparent green object, it absorbs
to pass through.
4) The transparent colored objects have the same colour of the
5) When a white light falls on a transparent red bottle, the bottle
absorbs to pass through.
6) When a white light falls on a yellow translucent plate, the plate
absorbs all the light colors except
7) All the light arewhen they fall on a white opaque body.
8) If the red light strikes a white ball, it looks in colour
9) The white boardall the light colours , while the black
boardall the light colours.
10) We prefer to wearclothes in summer and
7) All the light arewhen they fall on a white opaque body. 8) If the red light strikes a white ball, it looks in
7

primary colors while is produced by mixing all primary

colors

B)Put (I) or (X), then correct it :

- When white light strikes a red flower, it reflects the white colour.
 ()
- We see the coloured transparent body with the same colour,
 because it reflects all the light colours. ()
- 3) The black t-shirt reflects all the light colours. ()
- 4) The red table reflects all the light colours. ()
- 5) Mixing yellow, green and blue lights gives the white colours. (
- 6) Mixing red and green colours dyes give the same colour as mixing red and green colours light. ()
- 7) When you look at a black body through a glass plate, the body and the plate seems black. ()
- 8) We must wear black or dark clothes in winter. ()

C)Write the scientific term:

- The light that is impossible to be produced mixing two of other coloured lights. [......]
- 2) The objects that reflect all the light colours when the white light falls on them. [......]
- 3) The objects that absorb all light colours when the white light falls on them.

//Mageria is called a secondar	y coloured light.

8) The yellow banana seems black when you look at it through a green glass sheet.

E) Compare between primary light colors and secondary light colors:

secondary light

الله ذاكرولي في البحث وانض لجروبات ذاكرولي هذه رياض الاطفال للصف الثالث الاعدادي

Lesson (3): Magnetism

Complete the following statement:

- 1. The two types of magnet areandand
- 2. The like magnetic poles each other, while the dislike magnetic pole..... each other
- 3. The natural magnet is one of theores which is known by.....
- 4. Aluminium, chalk and wood are, while nickel and cobalt are
- A freely suspended magnet always takesdirection.
- 6. The compass is used to identify the
- 7. The magnetic needle should be And And
- 8.andare from the shapes of the artificial magnet.
- 9. Magnetism is concentrated at the....., while it disappears in theof magnet.
- 10. Magnetic force is force.
- 11.or.....
- 12. Each magnet has ends called

5) The materials that are attracted to the magnet [.......

6) A region on the magnet has the most powerful force of
attraction []
7) A region around the magnet at which that effect of the
magnetism appear.[]
8) The materials that don't get attracted to the magnet
[].
9) The pole of the magnet which points to the north direction of
the earth. []
C)Give reason for:
1) Some materials called non-magnetic material.
2) One of the poles of the magnet called North Pole and the other
the South Pole.
3) The north pole of the magnet attracts the south pole of another

magnet, but it repels the North Pole.

4) When you sprinkle iron filings on a glass plate placed on a magnet
then you knock on the glass, the iron filings assembled at the two
ends.
5) The compass used to locate the main four geographical directions.

5) Th	ne compo	iss used t	to locate	the main	four ge	eographical	directions.

b) Iron nails are	аттгастеа то тп	e magnet.	

D) Put (J) or (X) and correct the wrong one:

- 1. There are different shapes of natural magnet. (.........)
- 2. Materials that are attracted to magnet are called magnetic materials.(......)
- 3. Irons, cobalt and. copper are magnetic materials. ()
- 4. Glass, nickel and wood are non-magnetic materials. ()
- 5. The freely suspended magnet always takes a fixed direction. (......)
- Magnetism decreases as we go far from the two poles towards the middle. ()
- 7. When the north pole of a magnet get near to the north pole of another magnet, the two poles attract each other. ()

- 8. The magnetic field is the ability of the magnet to attract the magnetic materials existed in its field. (.......)
 - E)Compare between magnetic materials and nonmagnetic materials

P.O.C	magnetic materials	nonmagnetic materials
definition		
<u>Example</u>		

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Lesson (4)

Magnetism and electricity

	A)	Comp	ete	the	fol	lowing	statement:
--	----	------	-----	-----	-----	--------	------------

The magnet which made by the effect of electricity called
2) The electromagnet loses its magnetic force by
3)andare examples of devices that
contain Electromagnet.
4)is the scientist who discovered how to make the
dynamo.
5) The magnet has effect
6) A huge electric generator consists ofthat turn
between the two poles of
7) The electromagnet convert theenergy
intoenergy, while the dynamo convertenergy into
energy.
8) Generating a magnetic field by using the electric current is the
idea of making
9) The ways to increase the amount of electricity produced by the
dynamo areand
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change to electric energy. [......]

5) The h	uge ele	ctric gei	nerator	is used	in elect	ric power	stations

C)Put (I) or (X) and correct the wrong one:

- 1. The electric current has a magnetic effect. ()
- The electromagnet changes the electric energy to mechanical energy.()
- 3. Electromagnet used for making electric bells, electric winches and cranes.()
- 4. When an electric current passes through a wire coiled around a wrought iron bar, the wrought iron bar becomes a permanent magnet.()
- William Gilbert is the scientist who discovered that the magnetic energy could change into electric energy. ()
- Electric current can be generated from magnetism, but magnetism can't be produced from electric current. ()
- 7. Dynamo changes the electric energy into kinetic energy ()

2+2-8

Unit (2) Lesson (1): Mixtures

Complete the following statements:

TT (A)	
<u>Unit (2)</u>	
Lesson (1): Mixtures	
Complete the following statements:	
1. C. L. atana and the control of the	
1-Substance that made of only identical particles is called	
2consists of more than one type of particles.	
3-Milk and concrete are examples of,While distilled	
water and baking soda are examples of	
4-Air and mineral water are examples of	
5 and are from the types of mixture	5
6-vinegar and water is mixture, while sand and water is	
mixture	
7- Both sea water and mineral water are because each of	
them consists	
8-Each component in the keeps its own properties	
9-Mixtures can be formed by and	
2-Mixtures can be formed by and	
10.4 4	
10-A mixture of salt and pepper can be formed byor	
11-Components of a mixture can be separated by,	
and	
12-Iron fillings and sand can be separated by using	
13process is used to separate sand and water.	
14process is used to separate a salt from its solution.	
15is used to separate water -oil mixture.	
16-To separate insoluble solid like sand from salty solution , we use	
process.	
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Put (√) or (X), then correct it:

- 1-Sugar and baking soda are mixtures. ()
- 2-A mixture is made of only one type of identical particles. ()
- 3-You can see the different components of the salty water. ()
- 4-Mixtures are formed by magnetic attraction, filtration and evaporation. ()
- 5-Solid -liquid mixture is separated by a separating funnel. ()
- 6-Sand and water mixture is separated by evaporation process. ()
- 7-A mixture of any solid and iron filings can be separated by using a strong magnet. ()
- 8-Sugary solution can be formed by shaking or stirring. ()
- 9-A mixture of mango and banana juices is formed by stirring or shaking. ()
- 10-Vegtables soup is considered as a mixture. ()
- 11-The properties of mixture are the same properties of its components. ()
- 12-The separating funnel is used to separate a solid-liquid mixture. ()
- 13-We can separate a mixture of oil and water by filtration. ()
- 14-A mixture of rice and iron nails can be separated by using a magnet.
- 15-Salty solution can be separated by evaporation. ()
- 16-We obtain table salt from seas and oceans by evaporation process.
- ()

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Write the scientific term:

0	
¥	3) Write the scientific term:
U,	☆ ☆
0	🕯 1-Substance in which, their components can be separated easily.
~	☆ [
8	2-A mixture of oxygen,nitrogen,carbon dioxide and water vapour.
•	ž []
D	🕏 3-A method used to separate a soluble solid material from water.
n	\$ []
	🕹 4-A method used to separate magnetic substances from any solid
F.	mixture. []
2	🕏 5-A type of mixture in which, we cannot distinguish between its
	components. []
	6-A type of mixture in which , we can distinguish between its
	components. []
J	7-A method used to mix solid-solid mixture. []
U	🏂 8-A mixture formed by dissolving sugar in milk. []
	9-A type of matter that its components keep their own properties.
)	‡ []
	💲 10-A method used to separate a substance that is insoluble in water.
<u>.</u>	· []
W	🕺 11-A set used to separate a mixture water and oil. []
0	12-A method used to form a mixture of salt and pepper.
• (<u></u>
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6	☆ ☆
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Lesson (2): Solutions

Complete	the foll	owing	stateme	nt:
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- 1- Mixture are classified into two types.....and.....and.....
- 2-is a type of mixture that its components cannot be distinguish
- 🙎 3-Heterogeneous liquid mixture is called a
- 🕏 4-The components ofcan be distinguished, while the can't be 🛴 can't be
 - 5-The solution consists ofand Which are mixed by......
 - Process
 - 6-....andare heterogeneous liquid mixture
- 7- Homogenous liquid mixtures are called...... while heterogeneous liquid mixtures are called
- 8-The substance which dissolves in a liquid is called.....
- ♦9-The substance the solute dissolves is called......
- 🙎 10 -In sugary solution , sugar is the, while water is the.........
- 1-When a substance doesn't dissolve in a certain solvent ais formed
 - 12-Solubility process is affected by , and
 - 13-Decreasingincrease the solubility time
- 14- The time required to dissolve the same quantity of salt in cold water is than the hot one .
- 15-The quantity ofand...... affects the solubility process

16-Increasing	the	quantity	of	solventthe	solubility	time

2) Put (√) or (X):

- Solution is heterogeneous mixture. ()
- 2- The substances that its components cannot distinguish are suspension. ()
 - 3-Any solution is composed of a solvent and a material dissolved in it ()
 - 4. Lemon juice and mud in water considered as suspensions. ()
- 5-Solubility does not depend on the amount of the solute and the solvent.
- 6. In case of sugary solution, sugar is the solute. ()
- 7-The heterogeneous mixture can be separate by using a strong magnet. ()
- 8. Water considered as the common solvent for many solutes. ()
 - 9. As the temperature increase, the solubility time increases. ()
- 10. Increasing the quantity of solvent when using the same amount of solute leads to increase in the solubility time. ()
 - 11. Shaking leads to decrease the solubility time. ()

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	3) Write the scientific term:	
¥	1-The mixture of insoluble solid substance in water.	
U	☆ [
	2-The liquid that used to dissolve the solid substance.	
, ~	½ []	
9	🕺 3-A process by which the solute disappear in the solvent forming a	e E
	solution. []	
	4-The mixture that composed of a solute and a solvent.	-
M	<u>‡</u> [
3	💃 5- The mixture that its component cannot be distinguished.	
+	<u>* [</u> <u>*</u>	
6		3
J	4) Give reason for:	
0	1-The solubility time of sugar differs than that of sodium chloride.	
×	2-The solubility time is affected by temperature and stirring.	
W.		ı
3	3-It is better to dissolve 10 gm of sugar in 20 ml of water than	,
٧,	dissolving it in 5 ml of water.	
	☆ ☆	
	4-Water is a common solvent.	Ý
Y	\$ 5. We can easily concrete and from water	
0	5. We can easily separate sand from water.	
<u> </u>	☆	
-	**	
3 6	*	
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Unit (3): Environmental balance

Lesson (1): Food relationships among living organisms Complete the following statement:

1.	Green plants make photosynthesis process by using In the
	presence ofas a source of energy.
2	To any detion, the primal that decrease mathematics and add

- while the devoured animal is known as.....
- 3. Is a temporary relationship that ends up by devouring the prey.
- 4. Predation is less common in.....world than inworld
- 5.plants have to prey some insects to get their needed elements for makingsubstances
- 6.andare from the ways of self-defense against predation in living organisms
- 7. Duringphenomenon, the living organisms changes its colour to simulate its surrounding environment
- 8. Bees which look like wasps undergophenomenon ,while chameleon undergoesphenomenon to protect themselves against enemies
- 9. The food relationship between nodular bacteria and leguminous plants is known as Where it provides leguminous plant with and nodular bacteria benefitfrom it
- 10. There is afood relationship between crocodiles and some birds.

plants. [.....] [.....]

5- The worm which infects man with elephantiasis disease. [.....]

6-A disease caused by parasitic ascaris worm.

[.....]

Mention the kind of food relation ship between each of the following:

1. Lion and deer.	[]
2. Halophila plant and insects.	[]
3. Jawless lamprey and fish.	[]
4. Lice and man.	[]
5. Crocodiles and some birds.	[]
6. Hippopotamus and some birds.	[]
7. Fungi and dead organisms.	[]
8. Nodular bacteria and bean plants.	[]
Give reason for:	
1- Predation is less common in plant t	han in animal.
2-Some plants are called insectivorou	ıs plants.
3-Some animals have the ability to ca	mouflage.
4-There is a mutualism between nodu	lar bacteria and leguminous plants.
5-Saprophytic organisms are decomp	
6- Parasitism relationship differs fr	om the predation relationship.

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Put (\int) or (X):

- The commensalisms relationship ends by killing one organisms or devouring a part of it ()
- 2. Predation is a permanent relationship ()
- 3. In parasitism, animals get their food by attacking, killing and devouring other living organisms (
- 4. In mimicry relationship, the living organisms protect themselves by changing their colour to simulate the colour of the surrounding environment (
- 5. In camouflage, harmless living organisms imitate other harmful or poisonous living organisms to frighten their enemies (
- 6. Fleas conveys small pox disease to man (
- 7. In parasitism, the organism that is harmed is known as the host. (

لا تنس الاشنراك في قنـوان زاكـرولي على نطيق الليجرام

تابع جدہد ذاکرولي علی فيسبــوك توہئے وائےس اب اليجــر ام

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Lesson (2): Environmental balance
Complete the following statements:
1-An ecosystem is any naturalarea including and
2-The balance between the components of the ecosystem is
3is a food relationship that organizes the numbers of preys.
4-The components of ecosystem are and and
5-Man interference asleads 🕏
* to
6-The balance between the components of the ecosystem is called
7-The disturbance happens in the ecosystem produced as a result of
8andare from the factors that harm the environmental balance.
9-In ancient eras, the changing in natural conditions cause the extinction of
10-Predators help preys in getting rid oforor
11-The disappearance of predators in an ecosystem causes the increase ofbecome insufficient.
12andare relationships that keep the
13organisms help the environment to get rid of dead
organisms and help inthe chemical elements found in dead organisms.
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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8-Saprophytic organisms are responsible of recycling chemical

mutualism appears among preys population. (

elements found in dead bodies. (

Give reason for:

- 1-The change of natural condition causes an environmental imbalance.
- 2- Predation is useful to environmental balance.
- 3- Competition may appear among prey's population in the ecosystem.
- 4- The extinction of many animals as dinosaurs.

التب ذائرولي في البحث وانضم لجروبات ذائرولي من رياض الاطفال للصف الثالث الاعدادي



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First Term General Revision

- 1 Like magnetic poles _____ and dislike ones _____ each other.
- Fungi are considered as ______.
- and are primary colours.
- d Electromagnet consists of _____ and ____.
- The food relationship among cat and rat is ______.
- ① Decomposers are considered the ______ of nature.
- Solution is a type of __
- The magnetic force is most powerful at the ______ of the magnet.
- Green plants are _____ organisms.
- Bilharzia worm is a
- contains a small light magnet moves freely around a fixed axis.
- 1 The food relationship in which both organisms benefit from each other is known as

Choose the correct answer:

- The dynamo
 - 1 changes the electric energy into the mechanical one
 - 2 changes the mechanical energy into the electric one
 - 3 changes the mechanical energy into the thermal one
- Bacteria is a _____
 - 1 producer 2 parasite 3 decomposer
- Red, green and blue light are ______lights.
 - 1 primary 2 secondary 3 complementary
- The process of photosynthesis is done by a ______living organism.
 - 1 producer 2 decomposer 3 consumer

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2016 - 2017

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- @ Light transmits in _____ lines.
 - 1 curved 2 broken 3 straight
- When a magnet is hanged freely, its north pole refers towards the
 - 1 north 2 south 3 east
- Most mixtures formed by dissolving in liquids are
 homogeneous 2 heterogenous 3 identical
 - Green plants are considered as ______ organisms.
- 1 decomposers 2 producers 3 consumers
- Put (
 ✓) or (
 X
) and correct the underlined word if it is not correct to make the statements right:
 - When water and suger get mixed up, a heterogeneous mixture is formed.
 - The less the amount of solvent decreases, the more the solution time increases.
 - Fungi feeding on the dead organisms bodies are called saprophytes.
 - d Among the different types of fungi, mushroom is distinguished by its ability to make its food.
 - Transparent objects have the same colour of the light that doesn't travel through.
 - Opaque objects have the same colour of the light which the object reflects.
 - Cyan, purple and yellow are the primary colours.
 - 6 Solubility speed decreases by shaking and rising the temperature.
 - 1 The solubility speed of solids increases by grinding.
 - Increasing the amount of solvent decreases the speed of solubility.
 - Mixtures can be separated by the magnetic attraction, filtration and evaporation.

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- Mixing red, green and blue colours produces the white colour.
- 6 Aluminium gets attracted to the magnet.
- n An electric current can be generated by using a magnet.
- Magnetism is always related with electricity.

Give reasons:

- White light can be separated.
- Dynamo can change mechanical energy into electric one.
- Solution is a type of mixtures.
- The parasite does not kill its host.
- Parasitism may be external or internal.
- Some materials are magnetic.
- There are different types of solutions.
- Green plants can make their own food.
- Some mixtures can be separated by using a separating funnel.
- Predation is a temporary food relationship.
- Rainbow can be seen after heavy rain falling.

16 What is the difference between each pair of the following:

- The transparent and obaque materials.
- **6** The primary and secondary colours.
- C The solvent and the solute.
- The magnetic and non-magnetic materials.
- The external and internal parasites.
- Parasitism and saprophytism.
- @ The solution and the mixture.
- The homogeneous and heterogeneous mixtures.
- The solution and the suspension.



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Exercise (1)

- Write the scientific term for each of the following:
- The materials that are attracted to the magnet
- A region on the magnet has the most powerful force of attraction.
- A region around the magnet at which the effect of the magnetism appear.
- Living organisms which decompose dead organisms.
- Food relationships between organisms get their rood by devouring other organisms.
- Complete the following statements:
- The materials that objects can be seen throught, are called
- The opaque materials seems to be coloured withe
- C The red, green and blue lights are called
- The scientific idea of dynamo depends on the conversion of theenergy into energy.
- Seafarers use during their navigation in oceans.
- is considered as a common solvent due to its ability to dissolve several substances.
-is a way of separating mixtures.
- Compare between each pair of the following:
- Transparent and opaque materials.
- Primary and secondary lights.
- Magnetic materials and nonmagnetic materials.
- Solvent and solute.
- Mixture and solution.
- Parasitism and saprophytism.
- Externally parasites and internally parasites

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- Mame the equipment that can be used in each case:
- Fixing the north and south directions.
- Separating a mixture of oil and water.
- Choose the number which indicates the correct answer:
- 1 Light propagates in lines.
- b Light cannot be pass through materials.
 - 1- transparent 2- semi transparent 3- opaque
- 1- iron 2- aluminum 3- copper
- When you mix two or more kinds of matters together, the produced matter is called
 - 1- element 3- mixture 2- compound
- is used to separate a mixture of oil and water.
- 2- Filtration 1- Evaporation 3- separating funnel
- 1- solvent 2- solute 3- mixture
- takes place by some living organisms to hide from their enemies.
 - 1- commensalism 2- parasitism 3- camouflage
- Predation acts to the number of prey.
 - 1- constant 2- double 3-decrease

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Exercise (2)

Question (1)

Complete the following statements:

- 1- Light reflects when it falls on surface.
- 2- Light reflects when it transfer between two media.
- 3- Compass consists of freely move.
- 4-andare ways of mixing solid materials
- 5- Some autotrophic plants have to prey insects to get their required elements for making

Question (2):

Compare between each two pairs:

- Regular and irregular reflection
- 2- Magnetic and non-magnetic materials.
- 3- Commensalism and parasitism.

Question (3);

What happens in each case?

- 1- Fixing a magnetic needle on a piece of cork in a basin contains water.
- 2- Passing of electric current in a wire wrapped around a rod of soft iron.
- 3- Stirring two equal amounts of sugar in two beakers contain unequal amounts of water.

Question (4);

Put (v) or (X) in front of each of the following then correct the wrong one:

- 1- Mixtures can be formed by shaking, grinding or stirring.
- 2- Filtration is used to separate a mixture of solid materials.

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لا تئس الاشئر اك في قنـوات ذاكـرولي على تطريق الثليجر ام

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3- Some living organisms can change its colour to simulate the colours of the evironment where it lives to hide from their enemies.

Question (5);

Answer the following questions:

- 1- How you can prove experimentally that light propagates in straight line?
- 2- What is the kind of materials can be used to cover windows of photographic rooms for imaging?
- 3- Illustrate the food relationships between sponge animal and other aquatic tiny animals

Question (6):

Write the scientific term for each of the following:

- 1- Materials that objects can be seen clearly through it.
- 2- Objects can be seen with the colour of its reflected light.
- 3- A temporary relationship which ends up by devouring the prey or a part of it.

Question (7):

Explain the following briefly on:

- 1- Formation of shadows.
- 2- The light transmission through different materials.
- 3- Rainbow
- 4- Idea of making dynamo.
- 5- Factors affecting solubility process.

Science & You - Fifth Primary - First Term

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هذا العمل حصرى على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت **ووميموده**



Exercise (2)

Question (8):

What is meant by each of the following?

- 1- Reflection of light.
- 2- Ecosystem

Question (9);

Give reasons for each of the following:

- 1- The transparent and semitransparent bodies bodies appear coloured with the lights
- 2- No mixing will happen on adding sand to water.
- 3- Saprophytic organisms feed on the bodies of dead organisms.

التب ذائرولي في البحث وانضم لجروبات ذائرولي ها وياض الإطفال للصف الثالث الإعدادي

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هذا العمل حصرى على موقع ذاكرولى التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت **والمستعد**

Exercise (3)

Question (1):

Complete the following statements:

- 1- Strawberry fruit seem to be in red colour because it reflected only the colour.
- 2- As the light falls on the green grass, the grass must absorb colors except
- 4- The ancient Greek discovered the black rocks in a region called, these rocks attract the materials which made of
- 5-
- 6- The electric magnet losses its magnetism when
- 7- used to pick up the huge iron masses.

Question (2);

Write down the scientific term:

- The natural area including living organisms and non-living things.
- 2- A kind of parasites may live on the host's body to get their food.
- 3- The organisms which help to get rid of dead organisms.
- 4- The material at which the solute disappear in it.
- 5- The mixture results from the solubility of solids in liquid.
- 6- The process of formation a solution.
- 7- The light results from the mixing of red, blue and green colours.
- 8- The light results from mixing the seven spectrum colours.

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Exercise (3)

Question (3);

Choose the correct answer;

- 1- Light rays that can be seen are called......
- a) Visible spectrum.
 - c) Ultraviolet d) all the previous

b) Infrared

b) refraction

- 2- We can see things as a result ofof rays.
 - a) reflection

 - c) Absorption
- 3- Which of the following is considered as a secondary colour?
 - a) yellow b) green
 - d) red c) blue
- 4- The natural magnet is discovered since ago.
 - a)2000 b) 3500
 - c) 2050 d) 2500
- 5- When the magnet is hanged freely it will take the direction.....
 - a) north and east b)east and south
 - c) south and north d) west and east
- 6- The compass contains
 - a) horse shoe magnet b) bar magnet
 - c) small magnetic needle d) ring magnet
- 7- When the compass is put beside a wire carrying electric current ----
 - a) no deflection occurs. b) the needle deflects.
 - c) the needle destroyed d) no correct answer.

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The apple juice is considered as

a)liquid mixture

b) solution

c) solid mixture

- d) a &b together.
- 9- ejects a black colour fluid in the surrounding water when attacked by
 - a) Frog

b) Sepia

c) Butterfly

- d) Chameleon
- 10- The animal that devouring other animal is called
 - a) parasite

b) host

c) prey

d) predator

Question (4):

Give reason for each of the following:

- 1- The time of dissolving sodium chloride is differing than time of dissolving sodium carbonate.
- 2- Water is considered as a common solvent.
- 3- Air is a mixture.
- 4- The magnet is used to separate iron filings and sand.
- 5- The deviation of the ammeter's pointer when move a wire between the two poles of the magnet up and down.
- 6- Aluminum, copper and glass are non-magnetic materials.
- 7- The green colour is considered as a primary colour.

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8- It is preferred to wear black clothes in winter.		
9- The moon cannot be considered as a source of light.		
10- mages can be formed by using narrow holes.		
Question (5):		
Put (V) or (X) in front of each of the following then correct the wrong one:		
1-	()
2- The body nearer to the light source has the greater shadow.	()
3- The red colour is the first spectrum light, while the violet colour is the last s	pectru	m
ligh*.	()
4- The green table reflected all light colours.	()
5- When you look to a black body through a glass plate, the body and the plat	e are s	eem
with the same colour.	()
6- The magnetic field can be seen by detected iron filings.	()
7- The magnet has three poles.	(1
8- The electromagnet losses its power when the electric current is cut.	(1
9- The dynamo of the bicycle is in the shape of a cube touches the tire.	()
10- The oil and water can be separated by filtration.	()
11- Solvent + solute solubility process solution.	()
12- The relation between flaria worm and man is a parasitism relationship	()
13- Predation is a temporary relationship between predator and prey.	()
	Question (5): Put (V) or (X) in front of each of the following then correct the wrong one: 1- 2- The body nearer to the light source has the greater shadow. 3- The red colour is the first spectrum light, while the violet colour is the last so light. 4- The green table reflected all light colours. 5- When you look to a black body through a glass plate, the body and the plat with the same colour. 6- The magnetic field can be seen by detected iron filings. 7- The magnet has three poles. 8- The electromagnet losses its power when the electric current is cut. 9- The dynamo of the bicycle is in the shape of a cube touches the tire. 10- The oil and water can be separated by filtration. 11- Solvent + solute solubility process solution. 12- The relation between flaria worm and man is a parasitism relationship	Question (5): Put (V) or (X) in front of each of the following then correct the wrong one: 1-

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Question (6):

What's meant by each of the following.....:

- 1- Visible light 2- Opaque material.
- 3- Secondary lights.
- 5- Magnetic field.
- 9- Camouflage.
- 11- Ecosystem.

- 8- Mixture
- 10- Parasitism.

4- Magnetic materials.

Electromagnet.

12- Mutualism.

Question (7):

Compare between each of the following:

- Saprophytism and parasitism.
- 2- Reflection and refraction of light.
- 3- Regular and irregular reflection.
- 4- Natural magnet and electromagnet.
- 5-

Question (8):

Choose from the column (A) which suitable with column (B):

(1)

column (A)	column (B)
a –A food relationship between man and	1- Predation
worm.	2- Externally parasitism
b - A food relationship between bean plant and nodular	3- Commensalism.
bacteria.	4- Saprophytism
c- A food relationship between cat and	5- internally parasitism
d- A food relationship between fungi and splashed	
bread.	

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column (A)	column (B)	
a- A mosquito	1- Causes elephantiasis	
b- Flaria worm	2- Conveys small pox	
c- Bread mould fungus	3- Causes malaria	
d- Fleas	4- Causes anemia	
e- Ascaris worms	5- Causes bread mould	
	6- Causes plague	

Exercise (3)	_	
(2)			
column (A)		column (B)	
a- A mosqui b- Flaria wo		Causes elephantiasis Conveys small pox	
c- Bread mo	eaces	3- Causes malaria	
d- Fleas	zaid idiigas	4- Causes anemia	
e- Ascaris w	vorms	5- Causes bread mould 6- Causes plague	
(3)	A		ma
column (A	1)	column (B)	
a- light b- Shadow		aque material. Parate light into seven colors	
c- Glass	3- Trai	nsparent material.	
d-	4- Pro	pagates in straight lines.	
e- Prism		lects sun light. ark area formed behind a body exp	posed to light
(4)			
colur	nn (A)	column (B)	
a- Salt		1- Can be separated by separa	tion funnel.
b- Oil and water	mixture.	2- Can be separated by evapor	ration.
c- Pure water.		3- Can be separated by filtration	on.
d- Iron filings and	d sand mixture.	4- 5- Can be separated by using a	magnet.
			Shorouk Press 107
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column (A)	column (B)	
a- Salt	1- Can be separated by separation funnel.	
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d- Iron filings and sand mixture.	4-	
	5- Can be separated by using a magnet.	

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Question (9):

What happens in each case of the following:

- You look at your image through a transparent material.
- When you look at the mirror.
- 3- When you look at a spoon put in a beaker contains water.
- 4- On passage of white light through a prism.
- 5-
- 6- On mixing the red colour with the green colour.
- 7- When a magnet is hanged freely to move.
- 8- When the north pole of a magnet get nearer to a south pole for other magnet.
- 9- On moving a wire up and down between the two poles of a magnet.
- 10- Cutting down of trees.
- 11- Absence of preys in the ecosystem.
- 12- Chemical elements are not recycled by saprophytic organisms in the ecosystem.

Question (10):

Essay questions:

- Mention the kind of food relationship between each pairs of the following:
- The lion and a deer.
- Nodular bacteria and bean plant.
- Which process is faster and why:
- The dissolving of a quantity of salt in hot water, and dissolving the same quantity of salt in the same quantity of cold water.
- The dissolving of a quantity of sugar in water with stirring, and dissolving the same quantity of sugar in the same quantity of water without stirring.

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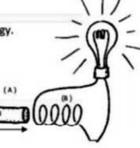
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Essay questions:

- The dissolving of a quantity of salt in 100 mill liter of water, and dissolving the same quantity of salt in 300 mill liter of water.
- Even to be the composite figure then answer the following questions:
- What's the mixture that can be separated in the figure?
- Mention the way of separation in this case? Give the reason?
- Mention the function of each of the following:
- Filter paper
- Electric magnet
- Compass
- Prism
- S Compare between the dynamo and the electromagnet from the point of view of their scientific idea.
- 6 Mention the properties of the magnet.
- Look at the opposite figure then answer the following questions:
- The opposite figure explains phenomenon.
- Why the pencil is seen broken?
- 3 Look at the opposite figure then complete the following:
- The symbol (a) indicates and the symbol (b) indicates
- When (a) moves inside (b) must be generated.
- The apparatus converts energy into energy.
- The scientific idea of this apparatus is



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الصف الخامس الابتدائي (دوقع الكوراج التعليج) بوكليت مدرسة سان جوزيف

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Model Exam (3)

Question (1):

Choose the correct answer from between brackets:

- (curved refracted zigzagged straight) (1) Light travels in lines.
- (aluminum nickel copper wood) (2) From magnetic material
- (yellow magenta green violet) (3) From examples of primary light
- (4) The picture formed through a narrow hole is (upright minimized inverted minimized - inverted magnified - upright magnified)
- (5) The substance which dissolves in a solvent is called

Question (2):

(solute - solvent - solution - mixture)

Put (v) in front of the right statement and (x) in front of thewrong ones:

- (1) Ecosystem is composed of non-living things like water and living organisms
- (2) The unlike magnetic poles repel and the like ones attract.
- (3) Mixture can be formed by shaking, grinding or stirring.
- (4) The north pole of the compass refers to the south geographical pole on the earth.

Question (3):

Complete the following:

- is from the extinct organisms due to the changing the natural conditions.
- (2) The external parasite that suck blood from the body is and the internal parasite like
- (3) The dynamo is used to convert the energy to energy.

Question (4):

Illustrate the difference between the following with an example:

- Transparent and opaque materials.
- (2) Pure substance and mixtures.

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Model Exam (4)

Question (1):

Choose the correct answer from between brackets:

- (1) The natural magnet is one of the ores. (copper - iron - carbon)
- (2) objects have the same colour of light which the objects reflect.

(transparent - semi-transparent - opaque)

- (3) The solute in the mixture of chocolate and milk is
 - (water milk chocolate)
- (4) From examples of saprophytic organisms (fungi rabbit plant)
- (5) The types of parasites are (external - internal - all the previous)

Question (2):

Put ($\sqrt{\ }$) in front of the right statement and (x) in front of the wrong ones :

- The main source of light on earth surface is electrical bulbs.
- (2) As the temperature increases, the solubility becomes slowly.
- (3) Air is a mixture of important and useful gases to man.
- (4) Predation is a temporary process.

Question (3):

- a- Give reason for each of the following:
 - 1- The box of compass isn't made from iron.
 - A piece of marble isn't disappear when putting it in water.
- b- Mention the name of the used tool:
 - 1- A tool that determine north and south directions.
 - 2- A tool that separates a mixture of oil and water.

Question (4):

a- Choose from column (B) what suits column (A):

(A)	(B)
a- Refraction	- separates the solid substances that dissolved in solution.
b- Yellow light results	- don't mix.
c- Evaporation	- autotrophic.
d- Water and oil	- occurs when light transmit through two transparent
e- Green plants	mediums.
	- from mixing red and green lights.

b- Write the scientific term for each of the following:

- 1- The energy that we can see.
- 2- A process by it we can separated the iron materials from sand.
- 3- An area that have most magnetic powerful force.

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